ABSTRACT

A method of facilitating the maintenance of a pump and for facilitating changes in the operation of a pump is provided. The method includes the steps of providing a pump including wear parts, a processor and a memory; sensing at least one operating condition of the pump indicative of the operation of the pump; generating pump operational data reflective of the sensed operating condition; storing the generated operational data in the memory of the processor; storing parts identification data identifying wear parts of the pump in the memory; storing at least one predetermined level of operational information; and operating the processor to compare the stored predetermined level to the stored operational data and in dependent response thereto outputting information as to the desirability of replacing or repairing at least one selected wear part or modifying the operation of the pump. An improved pump with numerous sensors for sensing operational data relative to the wear and tear of various parts of the pump and the operating parameters of the pump which are linked to a processor mounted at the pump and which, in turn, is linked to a main computer is also disclosed.